CALL FOR PAPERS
2015 Commercial Vehicle Engineering Congress (ComVec)
Donald E. Stephens Convention Center, Rosemont, Illinois, USA
October 6-8, 2015

The members of the Commercial Vehicle Activity are now developing technical sessions for the SAE 2015 Commercial Vehicle Engineering Congress. Authors are invited to submit abstracts of approximately 300 words, including title and author contact information, so please visit http://www.sae.org/comvec for further details, including these important deadline dates:

- Deadline for submitting abstracts – February 20, 2015
- Review Ready manuscripts due - April 14, 2015
- Final Manuscripts due to SAE – August 3, 2015

Potential Authors! Click here for information on how to write a technical paper! http://volunteers.sae.org/authors/sae_tech_paper.pdf

Upon submission, an automatic reply and tracking number will be rendered. Abstracts of interest include all aspects of design, manufacture, operation and maintenance of heavy, medium, and light duty commercial trucks, buses, military vehicles, mining, access, emergency, construction, agricultural, forestry, specialty, and utility equipment. This event will cover all on-road and off-road applications for commercial vehicles with emphasis on the following topics:

AERODYNAMICS:
- Drag reduction (vehicles, components, simulation and results)
- DOE Super Truck (design, simulation and testing)
- Cooling and thermal flows (internal, external)
- Tire and wheel aerodynamics (simulation and testing)
- Computational Fluid Dynamics (methods, pre and post processing, BL models)
- Transient and interfering flows (cross wind, traffic, platooning, flow separation)
- Vehicle and component design (simulation and testing)
- Flow control: active and passive (simulation and testing)
- Boundary layer transition and control (simulation and testing, modeling)
- Aerodynamic and performance evaluations (method development and results)

ELECTRONICS
- Autonomous Vehicles
- Computer Vision and Radar Technologies
- Telematics and On-board Recording (EOBR)
- Model Based Software Development
- Vehicle Networks and Communication (including In-Vehicle, V2V and V2I)

SAFETY
- Active Safety (including Advanced Driver Assistance Systems-ADAS)
- Cyber Security
- Functional Safety
- Passive Safety

TOTAL VEHICLE CONCEPTS
- Cost Reductions and Quality Improvements
- Ergonomics
- Reliability, Durability
- Lightweighting
- Maintenance
- Diagnostics and Serviceability
- Sustainability
  - Energy Efficient Systems in Manufacturing and End-of-Life
  - Alternative Energy Sources for Sustainable Developments in the CV Sector
  - Prognostics

WHEELED AND TRACKED VEHICLE CHASSIS, SUSPENSIONS AND TIRES
- Modeling, Simulations, and Validation Studies
- Durability and Life Testing
- Vibration Isolation Techniques
- Vehicle Dynamics and Control

Acceptance will be based on a peer review and authors will receive a reduced registration fee.

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